



- **Technical Training**
- **Aptitude • Softskills • Practice**

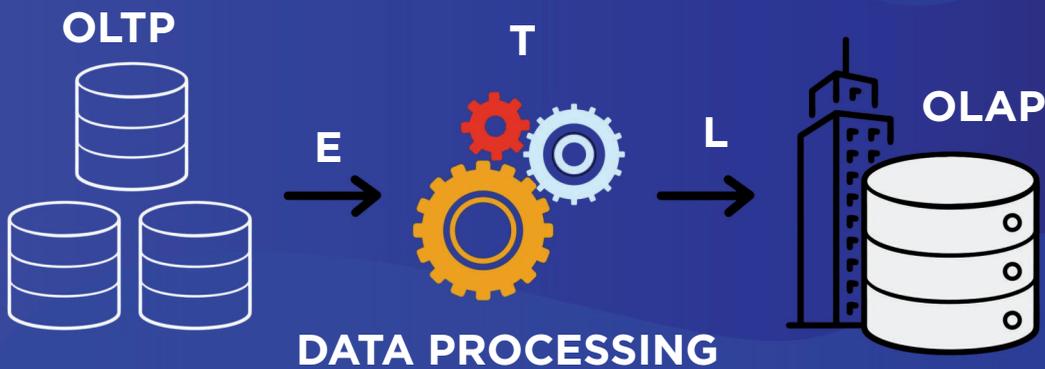
FACULTY:

Chandra's B.TECH 18+ YEARS EXPERIENCE IN IT

OFFERED PROGRAMS

1. Any Graduation
2. By Realtime Experts
3. Weekly Test
4. Continuous Test
5. Up to 3 Live Projects
6. Mock Interviews
7. Resume Preparations
8. Live Class Videos
9. Internship Certificate

ETL Testing



COURSE HIGHLIGHTS

- | | | | | | |
|----|---------------|----|----------------|----|-------------------------|
| 01 | DWH CONCEPTS | 04 | INFORMATICA | 07 | PROJECT |
| 02 | DATE MODELING | 05 | MANUAL TESTING | 08 | RESUME PREPARATION |
| 03 | SQL | 06 | ETL TESTING | 09 | FAQ's & MOCK INTERVIEWS |

Your Guide To Success



DWH CONCEPTS

SQL

ETL TESTING

AGILE METHODOLOGY *

UNIX LINUX *

PROJECT

Enquiry Presentation

Demo Date :

Demo Time :

Fee :

Duration :

Trainer Name :

Internship :

Online Certification :

INTRODUCTION OF ETL TESTING

ETL Testing Project Architecture

What is ETL Testing?

What is Data Warehouse?

ETL Testing tools

ETL Process

What is the difference between ETL testing and GUI testing?

ETL Testing Process

What is the difference DB Testing and ETL Testing?

ETL testing challenges

Why we need Data warehouse?

ETL Testing projects

Advantages of ETL Testing

Data moving different stages in DWH

DATAWARE HOUSING CONCEPTS

- **What is Data Ware House?**
- **Difference between OLTP and OLAP**
- **DWH Fathers**
- **Ralph Kimball**
- **WH Inman (characteristic)**
 - a) **integrated**
 - b) **Non-volatile**
 - c) **Time variant**
 - d) **Subject oriented**

Data Acquisition

- **Data Extraction**
- **Data Transformation**
- **Data Loading**

Data Marts

- **Dependent Data Mart**
- **Independent Data Mart**

Data Modeling

- **What is a Dimension Table**
- **What is a Fact table**
- **Confirmed Dimension Table**
- **Fact less Fact Table**

Data Base Design

- **Star Schema**
- **Snow Flake Schema**
- **Fact constellation Schema**
- **Integrated Schema**

SCD (slowly changing dimension)

- Type-1 SCD • Type-2 SCD
- Type-3 SCD
- Minus Queries • Count Queries

STRUCTURE QUERY LANGUAGE (SQL)

Introduction to RDBMS

- What is Data Base
- Importance of Data Base
- Working RDBMS
- Why is Data Base need in Industries
- What is the use of Data Engineering in DB

Sub Language Commands

- Data Definition Language (DDL)
- Data Retrieval Language (DRL)
- Data Manipulation Language (DML)
- Transaction Control Language (TCL)
- Database Security and Privileges (DCL)
- Oracle Pre Defined Datatypes
- DDL Commands
- Create, Alter (add, modify, rename, drop) Columns, Rename, truncate, drop
- DML- Insert, update, delete
- DQL-SELECT Statements using WHERE clause
- Comparison and Conditional Operators
- Arithmetic and Logical Operators
- Special Operators – IN (NOT IN), BETWEEN (NOT BETWEEN), LIKE (NOT LIKE), IS NULL (IS NOT NULL)
- Transactional commands
- Rollback
- Commit
- Save Point
- Working with joins
- inner join
- outer join
- cross join
- full join
- Working with Subquery
- Single-row subquery
- Multiple row subquery
- Correlated subquery
- Nested subquery

ETL TOOL (INFORMATICA)

1. Informatica Concept

- **Introduction to INFORMATICA**
- **ETL process in Informatica**
- **ETL naming conventions of different vendors**
- **Informatica Products (Power Center and Powermart)**
- **Informatica Softwares (Server and Client)**
- **Informatica Components and sub-components (Server and Client)**
- **ETL Implementation Tasks in Informatica**
- **Informatica Architecture**

2. Informatica Transformations

- **Source Qualifier**
- **Filter**
- **Expression**
- **Sorter**
- **Aggregator**
- **Sequence Generator**
- **Rank**
- **Router**
- **Union**
- **Joiner**
- **Lookup**
- **Stored Procedure**
- **Update Strategy**
- **Transaction Control Transformation**
- **Normalizer**
- **Xml Source Qualifier**

3. Informatica Advanced Concepts

- **Implementing Constraint Based Load Ordering**
- **Implementing Target Load Plan**
- **Creating and Implementing Unconnected Lookup**
- **Creating and Implementing Unconnected Stored Procedure**
- **Debugging Mapping (Before creation of session and After creation Session)**
- **Creating and Implementing Reusable Transformation**
- **Creating and Implementing Mapplet**
- **Defining and Using Mapping Parameter**
- **Defining and Using Mapping Variable**
- **Reusable and Non-Reusable Sessions**
- **Implementing Pre SQL and Post SQL**
- **Active and Passive Transformations**
- **Executing workflow by using pmcmd command**
- **Scheduling workflow**
- **Slowly Changing Dimensions by wizards (SCD-TYPE1, SCD-TYPE2, SCDTYPE3)**
- **Creating and Implementing Worklet**

MANUAL TESTING

1. Software Testing Tools

- **Introduction**
- **Introduction to Software Testing**
- **Software Development Process**
- **Project Vs Product**
- **Objectives of Testing**
- **Testing Principals**
- **Software Development Life Cycle**
- **SDLC**
- **SDLC Models**
- **Waterfall Model**
- **Spiral Model**
- **V Model**
- **Agile Model (Scrum)**
- **How to Choose Model for a Project**
- **Software Testing-Methods**
- **White Box Testing**
- **Block Box Testing**
- **Gray Box Testing**
- **Levels of Testing**
- **Unit Testing**

2. User Acceptance Testing

- **Alpha Testing**
- **Beta Testing**

3. Testing Terminology

- **Functional Testing**
- **End-End Testing**
- **Ad-hoc Testing**
- **Risk Based Testing**
- **Sanity/Smoke Testing**
- **Re-Testing**
- **Regression Testing**
- **Exploratory Testing**
- **Boundary Value Analysis**

4. Test Case Authoring

- **Functional Test Case**
- **Review Test Case**
- **Walkthroughs**
- **Inspection**
- **Peer Review**
- **Traceability Matrix**

5. Defect Reporting & Tracking

- **Defect Reporting**
- **Defect Life Cycle**
- **Severity, Priority**
- **Defect Tracking Tools**

6. Test Closure

- **Criteria for Test Closure**
- **Test Summary Reports**

ETL TESTING

1. Introduction

- **What is use of testing**
- **What is quality & standards**
- **Responsibilities of a ETL Tester**

2. ETL Software development life cycle

- **Waterfall model**
- **V-model**
- **Agile model & methodology**

3. Testing methodologies

- **White box testing**
- **Black box testing**
- **Grey box testing**
- **Minus Queries**
- **Count Queries**
- **ETL Testing Work Flow Process**
- **Responsibilities of ETL Testing**
- **Types of ETL Testing(16Types)**
- **Different Types of Testing Techniques in ETL**
- **How to validate data form source to target**
- **How to prepare ETL check list**
- **How to Prepare the ETL Test Plan**
- **How to design the ETL Test cases and execute test case**
- **How to reporting the Bugs in ETL Testing**
- **ETL Testing Responsibilities in DataStage, Informatica, Abinitio etc;**
- **How to detect the bugs through database queries**
- **ETL Performing Testing & Performing Tuning**

PROJECT ESSENTIAL

- **Project Description**
- **Roles and Responsibilities**
- **Project Architecture**
- **Static Test Plan**
- **Check List**
- **Test Scenarios & Test Case Preparation**
- **Traceability Matrix**
- **Bug & Regression**
- **End to End Flow**
- **Status Report**
- **Mapping Report**

AGILE METHODOLOGY

1. Agile Methodology Concepts

- **What is Agile?**
- **Why Agile is so popular?**
- **When to go for Agile?**
- **Agile Methodology Principles**
- **Comparison of traditional models with Agile**
- **Benefits of Agile Methodology**
- **Drawbacks of Agile Methodology**
- **Agile Methodology Frameworks**
- **Introduction to Scrum Framework**

What is Scrum?

- **Components of Scrum Framework**
- **Scrum Roles**
- **Scrum Artifacts**
- **Scrum Events**
- **Scrum Roles and Responsibilities**
- **Product Owner**
- **Scrum Master**
- **Scrum Development Team**
- **Scrum Artifacts**
- **Product Backlog**
- **Sprint Backlog**
- **Burndown Chart**
- **Scrum Events**
- **Sprint Planning Meeting**
- **Daily Scrum Meeting**
- **Sprint Retrospective Meeting**
- **Tools usage in Agile**
- **Product Backlog Template**

WHAT IS JIRA SOFTWARE?

- **How to use it?**
- **Create account**
- **Login account**
- **Create Project**
- **Invite user to project**
- **Create bug/task/story**
- **Assign tasks to others**
- **Move tickets from one place to other place**
- **Create Sprint and start it**
- **Complete Sprint**
- **What is the backlog and how to use it?**

1 UNIX LINUX COURSE OVERVIEW

1.1 Unix Course Prerequisite

1.2 Unix / Linux Training Course Objective

1.3 Unix / Linux Training Course Duration

2 UNIX TRAINING CONTENT

2.1 UNIX File System Architecture

2.2 File System of UNIX

2.3 Different UNIX Commands

2.4 Links

2.5 Complex Filters

2.6 Working with Files

2.7 Working with Directories

2.8 Displaying Files

2.9 Simple Filters

2.10 Zip Files

2.11 Printing Files

2.12 Finding Files

2.13 Input and Output Redirection

2.14 Shell Meta Characters

2.15 More Filters

2.16 Regular Expressions and Patterns

2.17 How C programs are useful for solving problems in UNIX

2.18 UNIX Commands

2.19 Backup Utilities

2.20 Piping

2.21 File Permissions

2.22 Communication Commands

2.23 Networking commands

2.24 Disk Utilities

2.25 Job Control

2.26 Process Status

2.27 Job scheduling

2.28 ed, ex and vi editors

2.29 Shell Scripting

2.30 Shell Input and Output

2.31 Backslash character constants aliases and History concept variables

2.32 Operators

2.33 Flow Control Structure

2.34 Looping

2.35 Formatted I/O

2.36 Namespaces in UNIX

2.37 Introduction to Message Queues

2.38 Introduction to Different Types of System Calls

2.39 Programming Aspects of Berkeley Sockets & Reserved Ports

2.40 UNIX Domain Protocol

2.41 Socket Addresses

Recently Placed Students

Name	Package	Role	Company
Divya	9.9 LPA	ETL Testing	INFOSYS
Pavani	9.9 LPA	ETL Testing	CAPGEMINI
Naveen	5.5 LPA	ETL Testing	DELOITTE
Kavitha	9.1 LPA	ETL Testing	DELL
Ramesh	8.4 LPA	ETL Testing	WIPRO
Lavanya	9.1 LPA	ETL Testing	TCS
Raju	8.7 LPA	Informatic Devop.	TCS
Ravi Chandra	9.3 LPA	Informatic Devop.	COGNIZANT
Dinesh Reddy	9.5 LPA	ETL Testing	MICROSOFT
Kareem Khan	8.1 LPA	Informatic Devop	INFOSYS
Leela	9.0 LPA	ETL Testing	CAPGEMINI
Kameswari	7.5 LPA	ETL Testing	DELOITTE
Anil Kumar	9.7 LPA	Informatic Devop.	DELL
Veera Reddy	5.5 LPA	Informatic Devop.	WIPRO
Sharad Kumar Reddy	7.9 LPA	ETL Testing	TCS
Venu Gopal	10.1 LPA	Informatic Devop.	TCS
Hameed uddin	11.2 LPA	ETL Testing	COGNIZANT
Naresh	12.2 LPA	ETL Testing	MICROSOFT

ABOUT ETL TESTING TRAINING

ETL Testing Training from CSR ETL TESTING helps you to learn a step-by-step process that includes ETL Testing introduction, difference between OLAP and OLTP, RDBM, learning data warehousing concepts, its workflow, difference between data warehouse testing and database testing, deploying SQL for checking data and the basis for Business Intelligence.

As a part of ETL Testing Training, you will be exposed to real-life industry scenarios which give you in-depth understanding of Data warehousing and concepts of business intelligence. ETL testing course will help you to become a successful ETL Testing expert.

Aspirants who are interested can attend our ETL Testing training in Hyderabad, or you can take our ETL Testing training.

CARRIER MAP



Our Students Are Placed In

 TCS TATA CONSULTANCY SERVICES	 Microsoft	 Tech Mahindra	 accenture	 IBM
 Infosys	 HSBC	 AXIS BANK	 amazon	 HCL
 Deloitte.	 SBI	 LARSEN & TOUBRO	 CISCO	 genpact
 infotech.	 ADP	 DELL	 Lenovo	 ASUS
 wipro	 verizon	 T Mobile	 virtusa	 cognizant
 Capgemini	 Mindtree Welcome to possible	 Bank of America	 zensor.	 ValueLabs